

Claims:

- 1 1) A circuit for detecting and routing a telephone ringing signal, comprising:
  - 2 an input terminal for receiving a telephone ringing signal;
  - 3 a frequency filter for selecting signals of a specific frequency from said
  - 4 ringing signal; and
  - 5 a switch, responsive to said selected signals, for routing said telephone
  - 6 ringing signal.

7

- 1 2) The circuit of claim 1 comprising two bandpass filters.
- 1 3) The circuit of claim 1 comprising two switches.
- 1 4) The circuit of claim 1 wherein said switch is an analog switch.
- 1 5) The circuit of claim 1 further comprising a capacitor for removing noise of  
2 said specific frequency.
- 1 6) The circuit of claim 1 further comprising a speaker.

1    7)    A method of detecting and routing an incoming ringing signal for a telephone,  
2    comprising the steps of:  
3                 splitting off a portion of the incoming ringing signal;  
4                 checking if a desired characteristic is present in the portion of the incoming  
5    ringing signal; and  
6                 routing the incoming ringing signal based on whether the characteristic is  
7    present.

1    8)    The method of claim 7 wherein said characteristic is frequency.  
  
1    9)    The method of claim 7 wherein said characteristic is wavelength.  
  
1    10)   The method of claim 7 wherein said characteristic is a wave packet generated  
2         by a computer server.  
  
1    11)   The method of claim 7 wherein said step of checking checks for the presence  
2         of a plurality of characteristics.  
  
1    12)   A system for detecting and routing an incoming signal, comprising:  
2                 a frequency filter for selecting signals of a specific frequency from said  
3    incoming signal;  
4                 a capacitor for removing brief intervals of said selected signals;

TOKUYAMA

5           a switch responsive to said selected signals for routing said incoming signal;  
6   and  
7           a speaker.

1   13)   The system of claim 12 comprising two frequency filters.

1   14)   The system of claim 12 comprising two switches.

1   15)   The system of claim 12 wherein said switch is an analog switch.

1   16)   A system for detecting and routing an incoming signal; comprising:  
2           an input/output device for receiving and transmitting the incoming signal;  
3           a CPU for processing the incoming signal;  
4           logic for analyzing the processed signal;  
5           an amplifier for amplifying a ringing signal; and  
6           a speaker for outputting said amplified signal.

1   17)   The system of claim 16 wherein said input/output device is a soundcard.

1   18)   The system of claim 16 wherein said CPU is part of a personal computer.

1   19)   The system of claim 16 wherein said logic is in software.

1    20) The system of claim 16 wherein said input/output device is an analog to  
2    digital converter.